**Mathematics Difficulty With and Without Reading Difficulty: Findings and Implications From a Four-Year Longitudinal Study.**

Math is a difficult content area for the majority of students and we often accept the notion that not all people are capable of succeeding in this particular subject. In general mathematics has the dishonor of being identify as a difficult subject and we come to accept that the majority of people have some type of learning disability when it comes to this content area. The truth is that not everyone who has struggled in a math class has a disability but it’s also true that there are specific learning disabilities that are specifically related to mathematics.

According to Rose Vukovic, “children with persistent mathematics difficulty have academic deficits in operations, number facts, mathematical problem solving, and reading.” A child with a math–based learning disorder may struggle with memorization and organization of numbers, operation signs, and number “facts” (like 5+5=10 or 5x5=25). Children with math learning disorders might also have trouble with counting principles (such as counting by 2s or counting by 5s) or have difficulty telling time.

After reading the article I come to the realization of the importance of early pre-diagnostic assessments in order to identify students with possible learning disabilities. The article focuses on the following, working memory, short-term memory and cognitive processing speed. The use of mnemonics, acronyms, rhymes and chaining techniques are some of the tools that I will include in my lessons in order to achieve the learning goals for students with disabilities.

In conclusion; the article states, “ that many struggling learners do not have inherent learning disabilities; but without proper instruction, these learners will exhibit academic difficulties characteristic of learning disabilities”.

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[http://encore.apu.edu:50080/ebsco-web/ehost/detail?sid=b1b864d4-b3a0-4da4-ae1b-00f096dfec1a%40sessionmgr112&vid=1&hid=126&bdata=JnNpdGU9ZWhvc3QtbGl2ZQ== - db=ofm&AN=72104450](http://encore.apu.edu:50080/ebsco-web/ehost/detail?sid=b1b864d4-b3a0-4da4-ae1b-00f096dfec1a%40sessionmgr112&vid=1&hid=126&bdata=JnNpdGU9ZWhvc3QtbGl2ZQ%3d%3d#db=ofm&AN=72104450)